

Serial No. 10/799,019

Docket No. 1232-5327

AMENDMENTS TO THE CLAIMS

For the Examiner's convenience, this Amendment includes the text of all claims under examination, a parenthetical expression for each claim to indicate the status of the claim, and markings to show changes relative to the immediate prior version of each currently amended claim.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) An ink jet recording head cartridge comprising:

a liquid container for retaining a liquid;

a discharge circuit section which comprises a supply port for receiving the liquid in the liquid container, a nozzle in communication with the supply port, and a discharge energy generating element, provided in the nozzle, for discharging the liquid; and

a flow path for leading the liquid from the liquid container to the discharge circuit section;

wherein the flow path comprises a vertical portion extending from a portion connecting to the ink container, and a horizontal portion connecting to a lower end of the vertical portion and connecting to the supply port of the discharge circuit section;

a throttle portion whose width becomes narrower in a supply direction of the liquid is formed in the portion, which connects to the vertical portion, of the horizontal portion of the flow path; and

Serial No. 10/799,019

Docket No. 1232-5327

a groove shaped flow path whose width is narrower than the total width of the flow path is ~~sequentially~~ contiguously formed on an inner wall of the flow path from a portion connecting to the liquid container to the portion connecting to the discharge circuit section.

2. (Original) The ink jet recording head cartridge according to claim 1, wherein the throttle portion comprises a set of walls vertical to a surface in which the supply port of the discharge circuit section is provided, and the set of walls is provided so that a distance therebetween becomes gradually smaller from the liquid container toward the discharge circuit section.

3. (Original) The ink jet recording head cartridge according to claim 1, wherein an inclined portion, which becomes gradually higher in a direction departing from the discharge circuit section, is provided at a ceiling portion of the horizontal portion of the flow path.

4. (Original) The ink jet recording head cartridge according to claim 1, wherein the groove shaped flow path extends through the ceiling portion of the horizontal portion of the flow path.

5. (Original) The ink jet recording head cartridge according to claim 1, wherein the groove shaped flow path extends through a bottom surface of the horizontal portion of the flow path.

Serial No. 10/799,019

Docket No. 1232-5327

6. (Original) The ink jet recording head cartridge according to claim 1, wherein the supply port extends over the total width of the discharge circuit section, and a whole area of the supply port is in communication with the flow path.